

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/582,392
Confirmation No.: Herewith
Filing Date: June 9, 2006

Inventor(s): Horsky, et al.

Group Art Unit: Examiner Name: Unknown Unknown

Attorney Docket No.: 211843-00044

Title: Method and Apparatus for Extending Equipment Uptime in Ion Implantation

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

This document is being filed pursuant to the provisions of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

I. TIME OF FILING

OR

X	This o	document is being filed in accordance with 37 C.F.R. § 1.97(b) as it is believed to ed:
		within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d);
		within three months of the date of entry of the national stage as set forth in § 1.491 in an international application;
	<u>X</u>	before the mailing of a first Office action on the merits; or before the mailing of a first Office action after the filing of a request for continued examination under § 1.114.

Applicant(s) respectfully request that the documents listed on the attached Form PTO/SB/08A and/or Form PTO/SB/08B be considered and made of record.

making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the information disclosure statement.

OR

It is requested that this Statement and enclosures be placed in the file. It is understood that the cited references will not be considered by the Office.

Application No. 10/582,392 Page 3 of 3

II. FOREIGN PATENT OFFICE COMMUNICATIONS (if applicable)
One or more of the items of information contained in the information disclosur statement were cited in a communication from a foreign patent office in a counterpar foreign application.
A copy of the search report is attached.
III. COPIES OF CITED REFERENCES
Because this application was filed prior to June 30, 2003, copies of the document(s listed on the attached Form(s) PTO/SB/08A and/or PTO/SB/08B are attached.
OR
Because this application was filed after June 30, 2003, copies of non-U.S. patent citation as listed on the attached Form(s) PTO/SB/08A and/or PTO/SB/08B are attached.
AND (if applicable)
All cited U.S. pending (non-published) applications listed on Form PTO/SB/08A ar stored in the USPTO's IFW system. Copies are therefore not provided.
OR

IV. REMARKS

The above constitutes information that an Examiner may find material to the examination of the subject application; however, it does not negate the patentability of the subject invention. Furthermore, it is not intended that submission of this information be taken as a representation that a search has been made or that no information which is more material exists.

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One or more of the cited U.S. pending (non-published) applications (filed prior to June 30, 2003) as listed on Form PTO/SB/08A has not been stored in the USPTO's IFW

The Commissioner is hereby authorized to charge any fees which may be required or credit any overpayment with respect to this communication to Deposit Account No. 50-1214. A duplicate copy of this communication is enclosed.

Date: 8 - 17 - 05	By: Stommer
	John S. Paniaguas
	Attorney or Agent for Applicant(s)
	Reg. No. 31.051

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PTO/SB/08A (07-05) Approved for use through 09/30/2006. OMB 0651-0031
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/582,392
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First Named Inventor	Horsky, et al.
Art Unit	Herewith
Examiner Name	Herewith
Attorney Docket Number	7 27 1 843 - 00044

Examiner	1 40		U. S. PATENT		
Initials*	No.1	Document Number Number-Kind Code ^{2 (Flanous)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relavant Figures Appear
		US- 4,254,340	01-08-1979		
		US- 4,409,486	05-29-1981		
		US- 4,512,812	09-22-1983	*	
		US- 4,529,474	01-30-1984		
		^{US-} 4,619,844	01-22-1985		
		^{US-} 4,640,221	10-30-1985		
		^{US-} 4,657,616	05-17-1985		
		US- 4,665,315	04-01-1985		
		^{US-} 4,703,183	12-05-1985		
		^{US-} 4,723,967	04-27-1987		
		^{US-} 4,738,693	11-4-1987		
		^{US-} 4,786,352	09-12-1986		
		^{US-} 4,958,078	01-05-1989		
		^{US-} 4,960,488	12-19-1989		
		US- 4,983,850	03-09-1989		
		US- 5,028,791	02-28-1990		
		^{US-} 5,049,784	05-24-1990		
		^{US-} 5,083,061	11-15-1990		
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/Bernard Souw/

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Filing Date First Named Inventor Art Unit Examiner Name Attorney Docket Number

Horsky, et al. Herewith Herewith 211843-00044

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Examiner Initials*	Cita No.1	Document Number Number-Kind Code ² (F Annum)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passagas or Relevan Figures Appear
	J	^{US-} 5,089,747	02-16-1990		
		^{US-} 5,097,179	01-25-1991		
		US- 5,101,110	11-9-1990		
		^{US-} 5,129,958	05-23-1991		
		US- 5,132,545	08-16-1990		
		US- 5,144,147	08-28-1991	****	
		US- 5,158,644	10-10-1991		
		US- 5,186,120	12-04-1991		
		^{US-} 5,206,516	04-29-1991		
		^{US-} 5,262,652	06-15-1991	-	
		^{US-} 5,279,129	06-01-1992		
		^{US-} 5,281,302	01-14-1993		
		^{US-} 5,296,713	01-22-1993		
		US- 5,306,921	03-02-1993		
		US- 5,312,519	07-02-1992		
		US- 5,350,926	03-11-1993		
		^{US-} 5,354,698	07-19-1993		
		US- 5,362,328	01-07-1994		
		US- 5,369,279	08-20-1993		

	FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	le Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	T	
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Attorney Docket Number

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		Number-Kind Code ^{2 (Finners)}	MM-DD-TTTT	Applicant of Cited Document	Relevant Passages or Relever Figures Appear	
		US- 5,429,070	11-20-1992			
		US- 5,451,258	05-11-1994			
		US- 5,466,942	12-10-1993			
		^{US-} 5,486,235	08-09-1993			
		^{US-} 5,536,330	05-15-1995			
		^{US-} 5,554,854	07-17-1995			
		^{US-} 5,576,538	03-27-1995			
		US- 5,616,208	06-07-1994			
		^{US-} 5,633,506	08-28-1995			
		^{US-} 5,661,308	05-30-1996			
		^{US-} 5,676,759	05-17-1995			
		^{US-} 5,685,916	07-07-1995			
		US- 5,700,327	03-10-1995			
		US- 5,714,738	07-10-1995			
		US- 5,747,936	11-25-1996			
		US- 5,751,002	01-30-1996			
		US- 5,779,849	01-30-1997			
		US- 5,780,863	04-29-1997			
		US- 5,785,796	12-24-1996		 	

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Filing Date First Named Inventor Art Unit Examiner Name

10/582,392 June 9, 2006 Horsky, et al. Herewith Herewith

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U. S. PATENT DOCUMENTS Cite Document Number Publication Date Name of Patentee or Pages, Columns, Lines, Where Applicant of Cited Document Relevant Passages or Relevant Figures Appear Number-Kind Code² (F Arrew US- 5,788,778 09-16-1996 US- 5.824,375 10-24-1996 US- 5.832.177 04-21-1995 US- 5,843,239 03-03-1997 US- 5,882,416 06-19-1997 US- 5,883,364 08-26-1996 US- 5,883,391 06-16-1997 US- 5,886,355 08-20-1996 US- 5.932,882 11-08-1996 US- 5,940,724 04-30-1997 US- 5,993,766 05-20-1997 US- 6.013.332 12-06-1996 US- 6.060,034 06-02-1998 US- 6,068,729 09-03-1998 US- 6.093.625 05-20-1998 US-6.107.634 04-30-1998 US- 6,130,436 06-02-1998 US- 6,143,084 03-19-1998 US- 6.150.628 06-26-1997

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Attorney Docket Number	7 0110/2 000//				

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		US- 6,160,262	10-21-1998		Figures Appear
		US- 6,178,925 B1	09-29-1999		
		US- 6,184,532 B1	05-22-1998		
	\perp	^{US-} 6,221,169 B1	05-10-1999		
		^{US-} 6,242,750 B1	11-25-1998		
		^{US-} 6,253,783	10-24-2000		
		^{US-} 6,259,105 B1	05-10-1999		
		^{US-} 6,271,529 B1	05-22-1998		
		^{US-} 6,288,403 B1	10-11-1999		
		^{US-} 6,313,475 B1	07-26-2000		
		US- 6,335,534 B1	04-15-1999		
		^{US-} 6,338,312 B2	04-15-1998		
		^{US-} 6,355,933 B1	01-13-1999		
		US- 6,423,976	05-28-1999		
		US- 6,441,382 B1	05-21-1999		
		US- 6,449,521 B1	09-18-1998		
		^{US-} 6,452,198 B1	06-28-2001		
$ \downarrow$		^{US-} 6,452,338	03-17-1999		
		^{US-} 6,464,891 B1	03-17-1999		<u> </u>

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Examiner	Cite	Document Number	U. S. PATENT D	Name of Patentee or	1 0
Initials*	Cite No.1	Number-Kind Code ^{2 (Fincent)}	MM-DD-YYYY	Applicant of Cited Document	Pages, Columns, Lines, Where Relevent Passages or Relevan Figures Appear
		^{US-} 6,479,828 B2	12-15-2000		
		^{US-} 6,486,431 B1	09-12-2000		
		US- 6,489,622 B1	03-01-2000		
		US- 6,498,348 B2	12-15-2000		
		^{US-} 6,528,804 B1	03-13-2000		
		US- 6,545,419 B2	03-07-2001		
		^{US-} 6,559,462 B1	10-31-2000		
		US- 6,614,033 B2	12-05-2001		
		^{US-} 6,617,593 B2	12-04-2000	<u> </u>	
		^{US-} 6,620,256 B1	11-08-2000		
		^{US-} 6,639,227 B1	10-18-2000		
		^{US-} 6,653,643 B2	12-26-2001		
		^{US-} 6,664,547 B2	05-01-2002		
		US- 6,670,623 B2	03-07-2001		
		US- 6,670,624 B1	03-07-2003		
		US- 6,686,601 B2	12-02-2002		
		US- 6,703,628 B2	05-23-2003		<u> </u>
		US- 6,710,358 B1	02-25-2000		
		US- 6,712,084 B2	06-24-2002		

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Sheet 7

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Attorney Docket Number | 211843-00044

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	-	US- 6,740,586	11-06-2002		- I I I I I I I I I I I I I I I I I I I
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	-	US-6,770,888 B1	06-25-2003		
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		^{US-} 6,818,909 B2	11-07-2003		
		^{US-} 6,830,631	02-21-2002		
		US- 6,835,930 B2	01-08-2004		
		US- 6,841,141 B2	09-26-2002		
		US- 6,852,242	02-23-2001		
		^{US-} 6,885,014 B2	07-31-2002		
		^{US-} 6,885,812 B2	03-06-2003		
		^{US-} 6,909,102 B1	01-21-2004		
		US- 6,909,839 B2	07-23-2003		1
		US- 6,921,062 B2	07-23-2002		
		us- 6,946,667 B2	11-19-2002		
		US- 6,956,225 B1	04-01-2004		
		^{US-} 6,958,481 B2	08-22-2001		
		^{US-} 6,992,311 B1	01-18-2005		
		US- 2003/0111014 A1	12-18-2001		

Examiner	Cite	Foreign Patent Document	GN PATENT DOCU	Name of Patentee or	Pages, Columns, Lines,	_
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 8

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Application Number	10/582,392
Filing Date	June 9, 2006
First Named inventor	Horsky, et al.
Art Unit	Herewith
Examiner Name	Herewith
Attorney Docket Number	211843-00044

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Examiner Initials*	No.1	Document Number Number-Kind Code ^{2 (f known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Whera Relevant Passages or Relavan Figures Appear
	\vdash	US- 2003/0030010 A1	08-07-2001		
		US- 2004/0175160 A1	03-06-2003		
		US- 2005/0169828 A1	02-02-2005		
		^{US-} 2005/0202657 A1	03-11-2005		
		^{US-} 2005/0258380 A1	05-06-2005		
		^{US-} 2005/0277246 A1	06-11-2005		
		US- 2006/0017010 A1	07-22-2004		
		US-			

		FORE	IGN PATENT DOCU	MENTS		
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		Country Code ³ "Number * "Kind Code ³ (# known)	MM-DD-YYYY		Or Relevant Figures Appear	Τ*
		WO 96/15545	11-13-1995			
		EP 0140975 A1	03-19-1984			
		EP 0474108 A1	08-28-1991			
		EP 0555 546 A1	12-15-1992			
		EP 0648861 A1	10-06-1994			
		EP 0697 467 A1	07-10-1995			

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 9

Application Number	10/582,392
Filing Date	June 9, 2006
First Named Inventor	Horsky, et al.
Art Unit	Herewith
Examiner Name	Herewith
Attorney Docket Number	211843-00044

Examiner	Cite	Document Number	U. S. PATENT D Publication Date	Name of Patentee or	T 0. 01
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	Country Code ² "Number ⁴ "Kind Code ⁵ (if known)	MM-DD-YYYY			
	EP 0762469 A1	08-15-1996			_
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	JP-06-084887				
	JD 55 145338				
	JP 56 166035				
	ID 56.026520				
	Cite No.1	Cite Foreign Patient Document No. County Code* "Number "Note Code* (Micrown) EP 0782469 A1 JP 02=130147 JP 06=084097 JP 55-146939 JP 56-4680026	Cite Foreign Patent Document Publication No. Covery Cose* **Number* **Yand Cose* (of Innovers) Publication Date Publication Publication	No. Date	Publication

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Attorney Docket Number

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/Bernard Souw/

211843-00044 U. S. PATENT DOCUMENTS Exeminer Document Number Name of Patentee or Peges, Columns, Lines, Where Relevant Pessages or Relevant Figures Appear MILDOLYYYY Applicant of Cited Document Number-Kind Code² (Finoun) 118 US US-US-US-UŞ-US-US US-118 US US-US-

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